

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449	Attorney Docket No. 056297-5012-01	Application No.: 09/285,306
Applicant: Thomas GINGERAS et al.		
Filing Date: April 2, 1999		Group Art Unit: 1637

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
[Signature]	1.	3,817,837	6/18/74	RUBENSTEIN et al.	195	103.5R
	2.	3,850,752	11/26/74	SCHUURS et al.	95	103.5R
	3.	3,939,350	2/17/76	KRONIC et al.	250	365
	4.	3,996,345	12/7/76	ULLMAN et al.	424	12
	5.	4,275,149	6/23/81	LITMAN et al.	435	7
	6.	4,277,437	7/7/81	MAGGIO	422	61
	7.	4,366,241	12/28/82	TOM et al.	435	7
	8.	5,143,854	9/1/92	PIRRUNG et al.	436	518
	9.	5,384,261	1/24/95	WINKLER et al.	436	518
	10.	5,424,186	6/13/95	FODOR et al.	435	6
	11.	5,445,934	8/29/95	FODOR et al.	435	6
	12.	5,429,807	7/4/95	MATSON et al.	422	131
	13.	5,436,327	7/25/95	SOUTHERN et al.	536	25.34
	14.	5,545,531	8/13/96	RAVA et al.	435	6
	15.	5,547,839	8/26/96	DOWER et al.		
	16.	5,700,637	12/23/97	SOUTH	435	6
	17.	5,837,832	11/17/98	CHEE et al.	536	22.1
	18.	5,795,716	8/18/98	CHEE et al.	435	6
	19.	5,800,992	9/1/98	FODOR et al.	435	6
	20.	5,861,242	1/19/99	CHEE et al.	435	5

FOREIGN PATENT DOCUMENTS

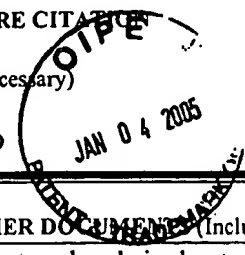
Document Number	Date	Country	Class	Sub Class	Translation
					YES NO
[Signature]	21.	89/10977	11/16/89	WO	
	22.	90/15070	12/13/90	WO	
	23.	92/10092	6/25/92	WO	
	24.	94/12305	6/9/94	WO	
	25.	94/10128	5/11/94	WO	

Abstract only

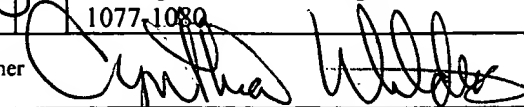
Examiner: Cynthia W. [Signature]	Date Considered: 3/7/2005
---	--

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

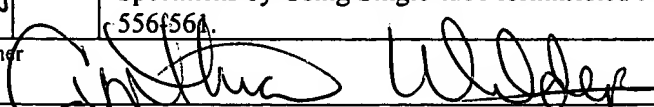
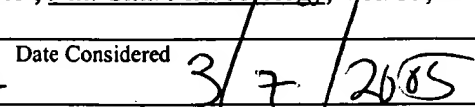
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449		Attorney Docket No. 056297-5012-01	Application No.: 09/285,306
Applicant: Thomas GINGERAS et al.		PAGE 2 of 3	
Filing Date: April 2, 1999		Group Art Unit: 1637	



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
27.	Barringer, et al., "Blunt-end and single-strand ligations by <i>Escherichia coli</i> ligase: influence on an in vitro amplification scheme", <u>Gene</u> , Vol. 89 (1990), pp. 117-122.
28.	Beattie, et al., "Genosensor Technology", <u>Clinical Chemistry</u> , Vol. 39, No. 4 (1993), pp. 719-722.
29.	Bloch, et al., "Nationwide Survey of Drug-Resistant Tuberculosis in the United States", <u>JAMA</u> , Vol. 271, No. 9 (March 2, 1994), pp. 665-671.
30.	Chetverin, et al., "Oligonucleotide Arrays: New Concepts and Possibilities", <u>Bio/Technology</u> , Vol. 12 (November 1994), pp. 1093-1099.
31.	Elder, "Analysis of DNA Oligonucleotide Hybridization Data by Maximum Entropy", Proceedings of the Twelfth International Workshop on Maximum Entropy and Bayesian Methods, Kluwer Academic Publishers, 1992.
32.	Fodor, et al., "Light-Directed Spatially Addressable Parallel Chemical Synthesis", <u>Science</u> , Vol. 251 (1991), pp. 767-773.
33.	Fodor, et al., "Multiplexed Biochemical Assays with Biological Chips", <u>Nature</u> , Vol. 364 (August 5, 1993), pp. 555-556.
34.	Felmlee, et al., "Genotypic Detection of <i>Mycobacterium tuberculosis</i> Rifampin Resistance: Comparison of Single-Strand Conformation Polymorphism and Dideoxy Fingerprinting", <u>Jrnl. Clin. Microbiology</u> , Vol. 33, No. 6 (1995), pp. 1617-1623.
35.	Gingeras, et al., "Simultaneous Genotyping and Species Identification Using Hybridization Pattern Recognition Analysis of Generic <i>Mycobacterium</i> DNA Arrays", <u>Genome Research</u> , Vol. 8 (1998), pp. 435-448.
36.	Guatelli, et al., "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 87 (March 1990), pp. 1874-1878.
37.	Hughes, et al., "Identification of Mycobacteria from Animals by Restriction Enzyme Analysis and Direct DNA Cycle Sequencing of Polymerase Chain Reaction-Amplified 16S rRNA Gene Sequences", <u>Jrnl. Clin. Microbiology</u> (December 1993), pp. 3216-3222.
38.	Hoffner, "Pulmonary Infections Caused by Less Frequently Encountered Slow-Growing Environmental Mycobacteria", <u>Euro. Jrnl. Clin. Microbiol. Infect. Dis.</u> , Vol. 13, No. 11 (November 1994), pp. 937-941.
39.	Hunt, et al., "Detection of a Genetic Locus Encoding Resistance to Rifampin in Mycobacterial Cultures and in Clinical Specimens", <u>Diagn. Microbiol. Infect. Dis.</u> , Vol. 18 (1994), pp. 219-227.
40.	Jonas, et al., "Detection and Identification of <i>Mycobacterium tuberculosis</i> Directly from Sputum Sediments by Amplification of rRNA", <u>Jrnl. Clin. Microbiology</u> (September 1993), pp. 2410-2416.
41.	Kanal, "Patterns in Pattern Recognition", <u>IEEE Trans. Info. Theory</u> (1974), pp. 697-722.
42.	Kapur, et al., "Rapid <i>Mycobacterium</i> Species Assignment and Unambiguous Identification of Mutations Associated with Antimicrobial Resistance in <i>Mycobacterium tuberculosis</i> by Automated DNA Sequencing", <u>Arch. Pathol. Lab. Med.</u> (February 1995), Vol. 119, pp. 131-138.
43.	Kox, et al., "PCR Assay Based on DNA Coding for 16S rRNA for Detection and Identification of Mycobacteria in Clinical Samples", <u>Jrnl. Clin. Microbiol.</u> (1995), pp. 3225-3233.
44.	Kwoh, et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 86 (February 1989), pp. 1173-1177.
45.	Landegren, et al., "A Ligase-Mediated Gene Detection Technique", <u>Science</u> , Vol. 241 (August 26, 1988), pp. 1077-1080.

Examiner: 	Date Considered: 3/7/05
---	--------------------------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449		Attorney Docket No. 056297-5012-01	Application No.: 09/285,306
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		Applicant: Thomas GINGERAS et al. Filing Date: April 2, 1999 Group Art Unit: 1637	
46.		Lipshutz, et al., "Using Oligonucleotide Probe Arrays to Access Genetic Diversity", <u>Biotechniques</u> , Vol. 19, No. 3 (1995), pp. 442-447.	
47.		Lipshutz, <u>Clin. Chem.</u> , Vol. 40, No. 6 (1994 Abstract), p.1173.	
48.		Musser, "Antimicrobial Agent Resistance in Mycobacteria: Molecular Genetic Insights", <u>Clinical Microbiology Reviews</u> (October 1995), pp. 496-514.	
49.		Pease, et al., "Light-Generated oligonucleotide arrays for rapid DNA sequence analysis", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 91 (May 1994), pp. 5022-5026.	
50.		Plikaytis, et al., "Differentiation of Slowly Growing <i>Mycobacterium</i> Species, Including <i>Mycobacterium tuberculosis</i> by Gene Amplification and Restriction Fragment Length Polymorphism Analysis", <u>Jrnl. Clin. Microbiology</u> (July 1992), pp. 1815-1822.	
51.		Salazar, et al., "Nucleic acid scanning-by-hybridization of enterohemorrhagic <i>Escherichia coli</i> isolates using oligodeoxynucleotide arrays", <u>Nucleic Acids Res.</u> , Vol. 24, No. 24 (1996), pp. 5056-5057.	
52.		Schirm, et al., "Comparison of Amplicor, In-House PCR, and Conventional Culture for Detection of <i>Mycobacterium tuberculosis</i> in Clinical Samples", <u>Jrnl. Clin. Microbiology</u> (1995), pp. 3221-3224.	
53.		Sewell, et al., "Comparison of the Septi-Chek AFB and BACTEC Systems and Conventional Culture for Recovery of Mycobacteria", <u>Jrnl. Clin. Microbiology</u> (October 1993), pp. 2689-2691.	
54.		Schafer, et al., " <i>Mycobacterium xenopi</i> , <i>Mycobacterium fortuitum</i> , <i>Mycobacterium kansasii</i> , and Other Nontuberculous Mycobacteria in an Area of Endemicity for AIDS", <u>Clin. Infect. Dis.</u> (1992), pp. 161-162.	
55.		Southern, et al., "Analyzing and Comparing Nucleic Acid Sequences by Hybridization to Arrays of Oligonucleotides: Evaluation Using Experimental Models", <u>Genomics</u> (1992), pp. 1008-1017.	
56.		Small, et al., "Molecular Epidemiology of Tuberculosis", <u>Tuberculosis: Pathogenesis, Protection and Control</u> (1994), pp. 569-582.	
57.		Stager, et al., "Role of Solid Media When Used in Conjunction with the BACTEC System for Mycobacterial Isolation and Identification", <u>Jrnl. Clin. Microbiol.</u> (January 1991), pp. 154-157.	
58.		Telenti, et al., "Detection of rifampicin-resistance mutations in <i>Mycobacterium tuberculosis</i> ", <u>The Lancet</u> , Vol. 341 (March 13, 1993), pp. 647-650.	
59.		Van der Vliet, et al., "Nucleic acid sequence-based amplification (NASBA) for the identification of mycobacteria", <u>Journal of General Microbiology</u> , Vol. 139 (1993), pp. 2423-2429.	
60.		Wolinsky, "Mycobacterial Diseases Other Than Tuberculosis", <u>Clinical Infectious Diseases</u> , Vol. 15 (1992), pp. 1-12.	
61.		Wu, et al., "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependant Ligation", <u>Genomics</u> , Vol. 4 (1989), pp. 560-569.	
62.		Whelen, et al., "Direct Genotypic Detection of <i>Mycobacterium tuberculosis</i> Rifampin Resistance in Clinical Specimens by Using Single-tube Heminested PCR", <u>Jrnl. Clin. Microbiology</u> , Vol. 33, No. 3 (1995), pp. 556-561.	
Examiner		Date Considered	
			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			